

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

BIRNEY QUADRANGLE
MONTANA—ROSEBUD CO.
7.5 MINUTE SERIES (TOPOGRAPHIC)

OPEN-FILE REPORT
This report has not been edited for con-
formity with U.S. Geological Survey edi-
torial standards or stratigraphic nomencla-
ture.
OPEN FILE REPORT 78-030
PLATE 7 OF 44

EXPLANATION

NON-FEDERAL COAL LAND—Land for
which the Federal Government does not
own the coal rights.

BOUNDARY OF RESERVE BASE
COAL.—Drawn along the outcrop of coal
bed or the contact between burned and
unburned coal where the coal bed is 5 feet (1.5
m) or more thick, and the 5-foot (1.5-m) coal
isopach. Arrows point toward area of Re-
serve Base coal.

STRIPPING LIMIT LINE.—Boundary for
surface mining of the coal bed (in this quad-
rangle, the 200-foot-overburden isopach).
Arrows point toward the area suitable for
surface mining. Recovery factor of 85 per-
cent within that area in this quadrangle.

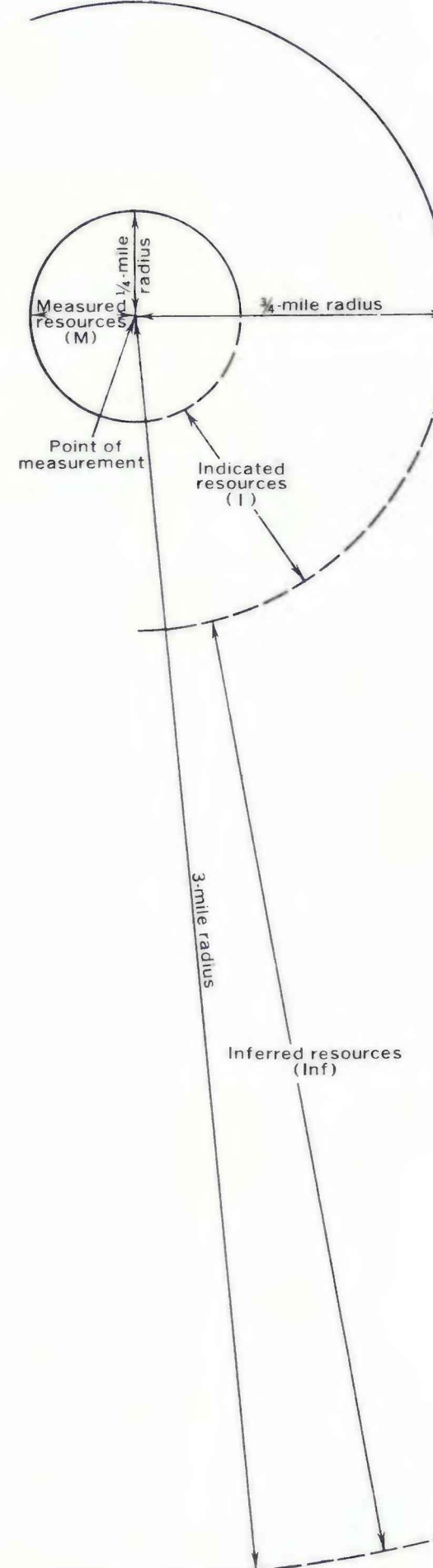


DIAGRAM SHOWING COMPONENT
AREAS OF IDENTIFIED COAL
RESOURCES.—Shows arcuate boundary
lines enclosing areas of measured, indi-
cated, and inferred coal resources. Bound-
aries of areas are dashed where projected
from an adjacent quadrangle. Areas of in-
ferred resources may be present on this
map without their outer boundaries being
shown.

COAL RESOURCE OCCURRENCE AND COAL DEVELOPMENT POTENTIAL MAPS
OF THE BIRNEY QUADRANGLE, ROSEBUD COUNTY, MONTANA

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1978

PLATE 7
AREAL DISTRIBUTION OF THE
IDENTIFIED RESOURCES OF THE
CANYON COAL BED